

Product datasheet for **RN209352**

Cttnal1 (NM_001106649) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cttnal1 (NM_001106649) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cttnal1
Synonyms:	Catnal1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN209352 representing NM_001106649
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCACTTCTACAGCCCCGGTGGTGGCGGTGCGGGAGCTGTCCACTCCTCCAATGCTTCTGGCCTCG
 CCTTCGACTCGGGACTGGAGATTAAGAACGCGCTCGGTAGAGCAAACCTTCTGCCCTGGTTTCTCAGAT
 TACCACACTTATTAACCATAAAGATAATACCAAAAAGTCTGATAAGACTCTGCAAGCGATTAGCCGCGTG
 GGACAAGCTGTCAACTTGGCAGTTGGAAGATTTGTTAAAGTAGGGGAAGCTATAGCCAATGAAAAGTGGG
 ATTTGAAAGAAGAAATTAGTATTGCCTGCATCGAAGCTAAACAAGCAGGAGAAACAATCGCTCCCTCAC
 AGATGTGACCAATGGAACCATTTGGAGTCAGATGGTCAGGTACAATTCTGACAGACAAAACAGGAGTC
 GTGCAGGCGGCCAGACTGCTGCTCCTCAGTGACAAAAGTGTGCTGCTGGCAGATCAGGTAGTCATCA
 AGCAAATAGTGACATCGAGAAACAAGTTCTTGAACCATGGAAGGCTAGAGAGAGTAAACAGCTTTCA
 GGAGTTTGTTCAGATATTCAGCCAGTTTGGAAACGAAATGGTGGAGTTTGCATACCTAACGGGAGACAGA
 CAAAATGATTTGAAAGATGAGAAGAAAAAGGCCAGAAATGGCTGTGGCGAGGGCAGTGCTTGAGAAGGGCA
 CAATGATGCTCCTCACAGCCTCAAGACGTGTCTCAGGCACCCAGCTGTGAGTCAGCCATAAAAAACA
 AGAAGGAGTGTGGATCGGATGAGAGCAGCCCTGGAGAAGGTCATCGAGATCGTACTGACTGCAGACTC
 AACAGAGACACCGACAGCTCATCTGTCAGCATTCTTACTGGTATTAAGAGTTGAAGTTGAATATGGAAG
 CTCTTCGGGAGAATGTTTACTTCGAGTCCAAGGAGAACCTTTCTGCCGATTGGAGGTCATCTTGGAGCG
 TGTGGAGGACTTACCGATTCTGCCTACACCAGCCATGAGCACAGGGAACGCATCTTGAAGTGTCTGCG
 CAGGCGAGGACAGAAGTGCAGCAGTTTCAATTCGGTGTGGATGCAAGCTCAAAGCAGGAAGACAAAGAGCG
 CGGCCGAGGACTGGAATCAGTGTGCTGAAGGTCAGCCACAGCCTGGACGAGCTGAGGAAAGAATCCA
 TTGTACAGCCATGCAGCTGGCAGCCGACCTGTTAAAATTCATGCCGATCATGTGGTTTTAAAAGCATT
 AAAGTTACTGGAGTAGAAGGAAATTTAGAAGCTTTGGCTGAGTATGCCTGTAAACTCTCTGAGCAGAAAG
 AACAGCTTGTGAGACATGTCGACTGTTGCGGCATGTATCCGGCACAGAACCCTCGAGATAACGTGCAT
 GCATGCAGAGGAGACATTCAGGTGACTGGCCAACAGATCATTCTGCTGCTGAAACCCTGACGTTGCAT
 CCGTCTAGCAAAATCGCTAAAGAAAACCTGGATGTGTTTTGTGAAGCGTGGGAGTCTCAGATTAGTGATC
 TGGCAACGCTGCTAAGAGAGATCAGTGATGTGTTGAAGGACGACGAGGAGAGAAGTATGACCATCTTTC
 ACTTCAAAGCCCATGAAAAATAATGCAAACCTGAAATCAGTGAAGTCTGACAAACCTGATTAGAGGAG
 CAAGCCAAGATAGCCAAGCTTGGGCTGAAGCTGGGATTGCTTTCCTCCGATGCTGACTGTGAAATCGAGA
 AATGGGAAGATGACGACAACGAGATCGTTTCGACATGGACGGAATATGTCCAGGATGGCCTATTCTCTGTA
 TTTATTTACTAGAGGAGAGGGGCCACTGAAAACCTCCAGGACTTAATCACTTCTCTGGAGTTTTTGTCT
 ACAGAGGGATTAAGCTTACTTCAAGCATACAGTCTTTTTCAAACAGCTAAAAGATGATGACAACTTA
 TGCTTCTCCTGGAAATAAACAACTAATTCCTCTATGCCACCAGCTTTCAGACAATAACCAAGACATCTTT
 GCAGAGTAAAGTGTCTGAAGTTGACAAGTGTGTTACAAAGATAAGATCCATGATGACTCTCGTGGTC
 CAGCTCCTCTCCCTTTGCTATAAGCTACTGAAAAGATGGGAAATGACAGATGGGTCTCTGCGACAAACA
 AAGATGCCATGGATGGTCAAAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001106649

Insert Size: 2196 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001106649.1, NP_001100119.1</u>
RefSeq Size:	3643 bp
RefSeq ORF:	2196 bp
Locus ID:	298019
Cytogenetics:	5q24